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ENTERED #2 OIPE

RAW SEQUENCE LISTING DATE: 07/25/2001
PATENT APPLICATION: US/09/901,910 TIME: 14:29:14

Input Set : A:\126p2-sl.txt
Output Set: N:\CRF3\07252001\I901910.raw

3 <110> APPLICANT: Li, Haodong
4 Adams, Mark
5 Calenda Valerie
7 <120> TITLE OF INVENTION: Connective Tissue Growth Factor-2
9 <130> FILE REFERENCE: PF126P2
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/901,910
12 <141> CURRENT FILING DATE: 2001-07-11
14 <150> PRIOR APPLICATION NUMBER: 09/348,815
15 <151> PRIOR FILING DATE: 1999-07-08
17 <150> PRIOR APPLICATION NUMBER: 08/459,101
18 <151> PRIOR FILING DATE: 1995-06-02
20 <150> PRIOR APPLICATION NUMBER: PCT/US94/07736
21 <151> PRIOR FILING DATE: 1994-07-12
23 <150> PRIOR APPLICATION NUMBER: 60/217,402
24 <151> PRIOR FILING DATE: 2000-07-11
26 <150> PRIOR APPLICATION NUMBER: 60/291,642
27 <151> PRIOR FILING DATE: 2001-05-18
29 <160> NUMBER OF SEQ ID NOS: 8
31 <170> SOFTWARE: PatentIn version 3.0
33 <210> SEQ ID NO: 1
34 <211> LENGTH: 1146
35 <212> TYPE: DNA
36 <213> ORGANISM: homo sapiens
38 <400> SEQUENCE: 1
39 atgagctccc gcatcgccag ggcgctcgcc ttagtcgtca cccttctcca cttgaccagg 60
41 ctggcgctct ccacctgccc cgctgcctgc cactgccccc tggaggcgcc caagtgcgcg 120
43 ccgggagtcg ggctggtccg ggacggctgc ggctgctgta aggtctgcgc caagcagctc 180
45 aacgaggact gcagcaaaac gcagccctgc gaccacacca aggggctgga atgcaacttc 240
47 ggcgccagct ccaccgctct gaaggggatc tgcagagctc agtcagaggg cagaccctgt 300
49 gaatataact ccagaatcta ccaaaacggg gaaagtttcc agcccaactg taaacatcag 360
51 tgcacatgta ttgatggcgc cgtgggctgc attcctctgt gtccccaaga actatctctc 420
53 cccaacttgg gctgtcccaa ccctcggctg gtcaaagtta ccgggcagtg ctgcgaggag 480
55 tgggtctgtg acgaggatag tatcaaggac cccatggagg accaggacgg cctccttggc 540
57 aaggagctgg gattcgatgc ctccgaggtg gagttgacga gaaacaatga attgattgca 600
59 gttggaaaag gcagctcact gaagcggctc cctgtttttg gaatggagcc tcgcatccta 660
61 tacaaccctt tacaaggcca gaaatgtatt gttcaaacaa cttcatggtc ccagtgctca 720
63 aagacctgtg gaactggtat ctccacacga gttaccaatg acaaccctga gtgccgcctt 780
65 gtgaaagaaa cccggatttg tgaggtgcgg ccttgtggac agccagtgta cagcagcctg 840
67 aaaaagggca agaaatgcag caagaccaag aaatcccccg aaccagtcag gtttacttac 900
69 gctggatgtt tgagtgtgaa gaaataccgg cccaagtact gcggttcctg cgtggacggc 960
71 cgatgctgca cgccccagct gaccaggact gtgaagatgc ggttccgctg cgaagatggg 1020
73 gagacatttt ccaagaacgt catgatgatc cagtcctgca aatgcaacta caactgcccg 1080
75 catgccaatg aagcagcgtt tcccttctac aggctgttca atgacattca caaatttagg 1140
77 gactaa 1146
79 <210> SEQ ID NO: 2
80 <211> LENGTH: 381
81 <212> TYPE: PRT

RAW SEQUENCE LISTING DATE: 07/25/2001
PATENT APPLICATION: US/09/901,910 TIME: 14:29:14

Input Set : A:\126p2-sl.txt
Output Set: N:\CRF3\07252001\I901910.raw

<213> ORGANISM: homo sapiens
<400> SEQUENCE: 2
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1 5 10 15
His Leu Thr Arg Leu Ala Leu Ser Thr Cys Pro Ala Ala Cys His Cys
20 25 30
Pro Leu Glu Ala Pro Lys Cys Ala Pro Gly Val Gly Leu Val Arg Asp
35 40 45
Gly Cys Gly Cys Cys Lys Val Cys Ala Lys Gln Leu Asn Glu Asp Cys
50 55 60
Ser Lys Thr Gln Pro Cys Asp His Thr Lys Gly Leu Glu Cys Asn Phe
65 70 75 80
Gly Ala Ser Ser Thr Ala Leu Lys Gly Ile Cys Arg Ala Gln Ser Glu
85 90 95
Gly Arg Pro Cys Glu Tyr Asn Ser Arg Ile Tyr Gln Asn Gly Glu Ser
100 105 110
Phe Gln Pro Asn Cys Lys His Gln Cys Thr Cys Ile Asp Gly Ala Val
115 120 125
Gly Cys Ile Pro Leu Cys Pro Gln Glu Leu Ser Leu Pro Asn Leu Gly
130 135 140
Cys Pro Asn Pro Arg Leu Val Lys Val Thr Gly Gln Cys Cys Glu Glu
145 150 155 160
Trp Val Cys Asp Glu Asp Ser Ile Lys Asp Pro Met Glu Asp Gln Asp
165 170 175
Gly Leu Leu Gly Lys Glu Leu Gly Phe Asp Ala Ser Glu Val Glu Leu
180 185 190
Thr Arg Asn Asn Glu Leu Ile Ala Val Gly Lys Gly Ser Ser Leu Lys
195 200 205
Arg Leu Pro Val Phe Gly Met Glu Pro Arg Ile Leu Tyr Asn Pro Leu
210 215 220
Gln Gly Gln Lys Cys Ile Val Gln Thr Thr Ser Trp Ser Gln Cys Ser
225 230 235 240
Lys Thr Cys Gly Thr Gly Ile Ser Thr Arg Val Thr Asn Asp Asn Pro
245 250 255
Glu Cys Arg Leu Val Lys Glu Thr Arg Ile Cys Glu Val Arg Pro Cys
260 265 270
Gly Gln Pro Val Tyr Ser Ser Leu Lys Lys Gly Lys Lys Cys Ser Lys
275 280 285
Thr Lys Lys Ser Pro Glu Pro Val Arg Phe Thr Tyr Ala Gly Cys Leu
290 295 300
Ser Val Lys Lys Tyr Arg Pro Lys Tyr Cys Gly Ser Cys Val Asp Gly
305 310 315 320
Arg Cys Cys Thr Pro Gln Leu Thr Arg Thr Val Lys Met Arg Phe Arg
325 330 335
Cys Glu Asp Gly Glu Thr Phe Ser Lys Asn Val Met Met Ile Gln Ser
340 345 350
Cys Lys Cys Asn Tyr Asn Cys Pro His Ala Asn Glu Ala Ala Phe Pro
355 360 365
Phe Tyr Arg Leu Phe Asn Asp Ile His Lys Phe Arg Asp

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PATENT APPLICATION: US/09/901,910 TIME: 14:29:14

Input Set : A:\126p2-sl.txt
Output Set: N:\CRF3\07252001\I901910.raw

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156     370                 375                 380
159 <210> SEQ ID NO: 3
160 <211> LENGTH: 28
161 <212> TYPE: DNA
162 <213> ORGANISM: homo sapiens
164 <400> SEQUENCE: 3
165 cgcgggatcc tgcgcgacac aatgagct                                          28
168 <210> SEQ ID NO: 4
169 <211> LENGTH: 27
170 <212> TYPE: DNA
171 <213> ORGANISM: homo sapiens
173 <400> SEQUENCE: 4
174 aaaggatcca caatgagctc ccgaatc                                           27
176 <210> SEQ ID NO: 5
177 <211> LENGTH: 58
178 <212> TYPE: DNA
179 <213> ORGANISM: homo sapiens
181 <400> SEQUENCE: 5
182 cgctctagat taagcgtagt ctgggacgtc gtatgggtat tggaacagcc tgtagaag        58
184 <210> SEQ ID NO: 6
185 <211> LENGTH: 1128
186 <212> TYPE: DNA
187 <213> ORGANISM: homo sapiens
189 <400> SEQUENCE: 6
190 atgagctccc gaatcgtcag ggagctcgcc ttagtcgtca cccttctcca cttgaccagg      60
192 gtggggctct ccacctgccc cgctgactgc cactgccccc tggaggcgcc caagtgcgcg     120
194 ccgggagtcg ggctggtccg ggacggctgc ggctgttgta aggtctgcgc caagcagctc     180
196 aacgaggact gcagaaaaac gcagccctgc gaccacacca aggggctgga atgcaacttc     240
198 ggcgccagct ccaccgctct gaaggggatc tgcagagctc agtcagaggg cagaccctgt     300
200 gaatataact ccagaatcta ccaaaacggg gaaagtttcc agcccaactg taaacatcag     360
202 tgcacatgta ttggatggcg ccgggggggct tgcattcctc tgtgtcccca agaactatct     420
204 ctccccaact tgggctgtcc caaccctcgg ctggtcaaag ttaccgggca gtgctgcgag     480
206 gagtgggtct gtgacgagga tagtatcaag gaccccatgg aggaccagga cggcctcctt     540
208 ggcaaggggc tgggattcga tgcctccgag gtggagttga cgagaaacaa tgaattgatt     600
210 gcagttggaa aaggcagctc actgaagcgg ctccctgttt ttggaatgga gcctcgcatc     660
212 ctatacaacc ctttacaagg ccagaaatgt attgttcaaa caacttcatg gtcccagtgc     720
214 tcaaagacct gtggaactgg tatctccaca cgagttacca atgacaaccc tgagtgccgc     780
216 cttgtgaaag aaacccggat ttgtgaggtg cggccttgtg gacagccagt gtacagcagc     840
218 ctgaaaaagg gcaagaaatg cagcaagacc aagaaatccc ccgaaccagt caggtttact     900
220 tacgctggat gtttgagtgt gaagaaatac cggcccaagt actgcggttc ctgcgtggac     960
222 ggccgatgct gcacgcccca gctgaccagg actgtgaaga tgcggttccc ctgcgaagat    1020
224 ggggagacat tttccaagaa cgtcatgatg atccagtcct ccaaatgcaa ctacaactgc    1080
226 ccgcatgcca atgaagcagc gtttcccttc tacaggctgt tccaatga                 1128
229 <210> SEQ ID NO: 7
230 <211> LENGTH: 375
231 <212> TYPE: PRT
232 <213> ORGANISM: homo sapiens
234 <400> SEQUENCE: 7
236 Met Ser Ser Arg Ile Val Arg Glu Leu Ala Leu Val Val Thr Leu Leu
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RAW SEQUENCE LISTING DATE: 07/25/2001
PATENT APPLICATION: US/09/901,910 TIME: 14:29:14

Input Set : A:\126p2-sl.txt
Output Set: N:\CRF3\07252001\I901910.raw

```
237 1               5                   10                  15
239 His Leu Thr Arg Val Gly Leu Ser Thr Cys Pro Ala Asp Cys His Cys
240             20                  25                  30
242 Pro Leu Glu Ala Pro Lys Cys Ala Pro Gly Val Gly Leu Val Arg Asp
243         35                  40                  45
245 Gly Cys Gly Cys Cys Lys Val Cys Ala Lys Gln Leu Asn Glu Asp Cys
246     50                  55                  60
248 Arg Lys Thr Gln Pro Cys Asp His Thr Lys Gly Leu Glu Cys Asn Phe
249 65                  70                  75                  80
251 Gly Ala Ser Ser Thr Ala Leu Lys Gly Ile Cys Arg Ala Gln Ser Glu
252                 85                  90                  95
254 Gly Arg Pro Cys Glu Tyr Asn Ser Arg Ile Tyr Gln Asn Gly Glu Ser
255             100                 105                 110
257 Phe Gln Pro Asn Cys Lys His Gln Cys Thr Cys Ile Gly Trp Arg Arg
258         115                 120                 125
260 Gly Ala Cys Ile Pro Leu Cys Pro Gln Glu Leu Ser Leu Pro Asn Leu
261     130                 135                 140
263 Gly Cys Pro Asn Pro Arg Leu Val Lys Val Thr Gly Gln Cys Cys Glu
264 145                 150                 155                 160
266 Glu Trp Val Cys Asp Glu Asp Ser Ile Lys Asp Pro Met Glu Asp Gln
267                 165                 170                 175
269 Asp Gly Leu Leu Gly Lys Gly Leu Gly Phe Asp Ala Ser Glu Val Glu
270             180                 185                 190
272 Leu Thr Arg Asn Asn Glu Leu Ile Ala Val Gly Lys Gly Ser Ser Leu
273         195                 200                 205
275 Lys Arg Leu Pro Val Phe Gly Met Glu Pro Arg Ile Leu Tyr Asn Pro
276     210                 215                 220
278 Leu Gln Gly Gln Lys Cys Ile Val Gln Thr Thr Ser Trp Ser Gln Cys
279 225                 230                 235                 240
281 Ser Lys Thr Cys Gly Thr Gly Ile Ser Thr Arg Val Thr Asn Asp Asn
282                 245                 250                 255
284 Pro Glu Cys Arg Leu Val Lys Glu Thr Arg Ile Cys Glu Val Arg Pro
285             260                 265                 270
287 Cys Gly Gln Pro Val Tyr Ser Ser Leu Lys Lys Gly Lys Lys Cys Ser
288         275                 280                 285
290 Lys Thr Lys Lys Ser Pro Glu Pro Val Arg Phe Thr Tyr Ala Gly Cys
291     290                 295                 300
293 Leu Ser Val Lys Lys Tyr Arg Pro Lys Tyr Cys Gly Ser Cys Val Asp
294 305                 310                 315                 320
296 Gly Arg Cys Cys Thr Pro Gln Leu Thr Arg Thr Val Lys Met Arg Phe
297                 325                 330                 335
299 Pro Cys Glu Asp Gly Glu Thr Phe Ser Lys Asn Val Met Met Ile Gln
300             340                 345                 350
302 Ser Ser Lys Cys Asn Tyr Asn Cys Pro His Ala Asn Glu Ala Ala Phe
303         355                 360                 365
305 Pro Phe Tyr Arg Leu Phe Gln
306     370                 375
308 <210> SEQ ID NO: 8
309 <211> LENGTH: 30
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RAW SEQUENCE LISTING DATE: 07/25/2001
PATENT APPLICATION: US/09/901,910 TIME: 14:29:14

Input Set : A:\l26p2-sl.txt
Output Set: N:\CRF3\07252001\I901910.raw

310 <212> TYPE: DNA
311 <213> ORGANISM: homo sapiens
313 <400> SEQUENCE: 8
314 cgcgggtacc aggtagcatt tagtccctaa 30

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/901,910

DATE: 07/25/2001
TIME: 14:29:15

Input Set : A:\l26p2-sl.txt
Output Set: N:\CRF3\07252001\I901910.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number